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POLREP #1
CROSSLEY FARM BURIED DRUM SITE
1271 HUFFS CHURCH ROAD
HUFFS CHURCH, BERKS COUNTY, PENNSYLVANIA
ATTN: CHARLIE KLEEMAN AND RRC
EVENT: EXPLORATORY EXCAVATIONS

I. SITUATION (AS OF 1800 HOURS FRIDAY, 19 DECEMBER 1997)

A. IT HAS BEEN SUSPECTED THAT BURIED DRUMS OF HAZARDOUS MATERIALS LOCATED ON THE CROSSLEY FARM SITE HAVE BEEN THE SOURCE OF TCE DRINKING WATER CONTAMINATION AT THE HEREFORD GROUNDWATER SITE LOCATED IN HUFFS CHURCH, BERKS COUNTY, PENNSYLVANIA.

B. GEOPHYSICAL AND SOIL GAS INVESTIGATIONS CONDUCTED BY HALLIBURTON NUS/BROWN & ROOT ENVIRONMENTAL FOR THE U.S.EPA REGION III REMEDIAL RESPONSE SECTION HAVE IDENTIFIED ANOMALIES AND ELEVATED LEVELS OF TCE, PCE AND VINYL CHLORIDE IN SOIL GAS LOCATED IN A ONE ACRE AREA ON THE CROSSLEY FARM SITE.

C. OSC FETZER CONTACTED THE OWNER OF THE CROSSLEY FARM AND RECEIVED WRITTEN PERMISSION TO PERFORM ADDITIONAL GEOPHYSICAL INVESTIGATIONS, EXPLORATORY TRENCHING OPERATIONS, SOIL SAMPLING OPERATIONS, AND OTHER INVESTIGATIONS AS REQUIRED.

D. PERSONNEL ON-SITE: EPA - 2, SATA - 2, HNUS/B&R - 3, TYREE - 2

E. WEATHER: COOL AND OVERCAST, TEMPERATURES IN THE MID 50'S.

II. ACTIONS TAKEN

A. AT THE DIRECTION OF OSC FETZER, SATA SUBCONTRACTED EXCAVATION SERVICES AT THE CROSSLEY FARM SITE TO INVESTIGATE POTENTIAL BURIED DRUMS.

B. OSC FETZER, EPA SECTION CHIEF KLEEMAN, SATA, SATA SUBCONTRACTOR (TYREE ORGANIZATION), AND HNUS/B&R MET ON-SITE 19 DECEMBER 1997 TO CONDUCT EXPLORATORY TRENCHING OPERATIONS IN AREAS OF GEOPHYSICAL ANOMALIES. HNUS/B&R LOCATED AND MARKED AREAS OF EM-31 ANOMALIES AND ELEVATED TCE, PCE, AND VINYL CHLORIDE SOIL GAS LEVELS. SATA SCREENED THESE AREAS UTILIZING A MAGNETOMETER AND LOCATED TWO AREAS OF SIGNIFICANT MAGNETIC DEFLECTION (5000 GAMMAS AND 4500 GAMMAS, RESPECTIVELY).

C. SATA AND TYREE CONDUCTED EXPLORATORY EXCAVATIONS IN AREAS IDENTIFIED BY SATA AS MAGNETICALLY ANOMALOUS. EXPLORATORY EXCAVATIONS IDENTIFIED BURIED DRUMS OF A FOAM-LIKE MATERIAL BURIED DRUMS OF A PAINT-LIKE MATERIAL, CRUSHED EMPTY BURIED DRUMS, AND VARIOUS BURIED SMALL CONTAINERS AND MISCELLANEOUS TRASH. THE TOTAL NUMBER OF BURIED DRUMS ENCOUNTERED DURING THIS LIMITED EXPLORATORY TRENCHING WAS 14, OF WHICH APPROXIMATELY 12 CONTAINED FOAM-LIKE OR PAINT-LIKE MATERIAL. SATA CONDUCTED AIR MONITORING

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UTILIZING A PHOTO-IONIZATION DETECTOR AND A FLAME-IONIZATION DETECTOR. AIR MONITORING READINGS OF 2100 UNITS ABOVE BACKGROUND WERE ENCOUNTERED DURING EXCAVATION ACTIVITIES IN CLOSE PROXIMITY TO BURIED DRUMS.

D. SATA COLLECTED SEVEN SOIL SAMPLES FROM IN, AROUND, AND UNDER SEVERAL BURIED DRUMS. THESE SAMPLES WERE COLLECTED IN AREAS OF HIGH PID/FID READINGS AND WERE PREPARED FOR VOA, BNA, PEST/PCB, METALS, AND CYANIDE ANALYSIS AT A SATA SUBCONTRACTED LABORATORY.

III. FUTURE ACTIONS

- A. SATA TO SEND SAMPLES FOR ANALYSIS ON MONDAY, 12/22/97.
- B. FUTURE ACTIONS TO BE DETERMINED BY OSC UPON RECEIPT OF ANALYTICAL RESULTS.

RICHARD FETZER, OSC
U.S. EPA REGION III
PHILADELPHIA, PA

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